

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for providing a user interface for controlling devices that are currently connected to a network, the method comprising the steps of:

for at least one of said devices:

(a) obtaining information from one or more of the devices currently connected to the network, wherein each device includes [said information including] device information for user interaction with that device; and

(b) generating a user interface description based at least on the obtained information, the user interface description including a reference associated with the device information [[of]] in each of said devices currently connected to the network, such that the reference includes at least one electronic link providing direct access from the user interface description to said information contained in said devices currently connected to the network.

2. (Currently amended) The method of claim 1, wherein [the step (b) further includes the steps of generating the user interface description such that the reference in] the link comprises a pointer from the user interface description [provides access] to at least the

information in [each] a corresponding device.

3. (Original) The method of claim 1, wherein the step (b) further includes the steps of generating the user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device.

4. (Currently amended) The method of claim 1, wherein the step (b) of generating the user interface description further includes the steps of associating a hyper-text link with the device information [of] in each of said devices currently connected to the network, such that each hyper link provides access from the user interface description to the device information in a corresponding device.

5. (Currently amended) The method of claim 1, wherein said information in each device comprises an HTML page [contained in] for user interaction with and/or control of that device.

6. (Currently amended) The method of claim 1, wherein the device information in each device includes device identification information for that device.

7. (Currently amended) The method of claim 1, wherein the device information in each device includes a user control interface description for user interaction with [[the]] that device.

8. (Currently amended) The method of claim 7, wherein the step (b) further includes the steps of generating the user interface description such that each [reference] link in the user interface description [is] provides direct access to at least the user control interface description in each corresponding device.

9. (Currently amended) The method of claim 7, wherein the step (b) further includes the steps of generating the user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device, the device data providing [reference] an electronic link to the user control interface description in each device, such that when the link is user activated it provides access to control interface description in the corresponding device.

10. (Currently amended) A network system for performing a service, comprising:
a physical layer, wherein the physical layer provides a communication medium that can be used by devices to communicate with each other;
one or more devices connected to the physical layer, each device storing

information including device information;

an agent in at least one device for:

- (a) obtaining information from one or more of the devices currently connected to the network, wherein each device includes [said information including] device information for user interaction with that device; and
- (b) generating a user interface description based at least on the obtained information, the user interface description including a reference associated with the device information [of] in each of said devices currently connected to the network, such that the reference includes at least one electronic link providing direct access from the user interface description to said information contained in said devices currently connected to the network.

11. (Currently amended) The network system of claim 10 wherein the agent generates the user interface description such that the [reference] link comprises a pointer from [in] the user interface description [provides access] to at least the information in each corresponding device.

12. (Original) The network system of claim 10, wherein the agent generates the user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device.

13. (Currently amended) The network system of claim 10, wherein the agent further associates a hyper-text link in the user interface description with the device information [[of]] in each of said devices currently connected to the network, such that each hyper link provides access from the user interface description to the device information in a corresponding device.

14. (Currently amended) The network system of claim 10, wherein said information in each device comprises an HTML page [contained in] for user interaction with and/or control of that device.

15. (Currently amended) The network system of claim 10, wherein the device information in each device includes device identification information for that device.

16. (Currently amended) The network system of claim 10, wherein the device information in each device includes a user control interface description for user interaction with [the] that device.

17. (Currently amended) The network system of claim 16, wherein the agent generates the user interface description such that each [reference] link in the user interface description [is] provides direct access to at least the user control interface description in each corresponding device.

18. (Currently amended) The network system of claim 16, wherein the agent generates the user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device, the device data providing [reference] a link to the user control interface description in each device, such that when the link is user activated it provides access to control interface description in the corresponding device.

19. (Currently amended) The network system of claim 10 further comprising means for generating at least one user interface by: using each [reference] link in a user interface description to access the device information in each corresponding device, and generating the user interface including device data corresponding to each device using the accessed information in each device.

20. (Currently amended) A network system for performing a service, comprising:
a physical layer, wherein the physical layer provides a communication medium than can be used by devices to communicate with each other;
multiple devices connected to the physical layer, one or more of said multiple devices storing information including device information for user interaction with that device, and one or more of said multiple devices each including an agent for:

(a) obtaining information from one or more of the devices currently connected to the network, said information including device information; and

(b) generating a user interface description based at least on the obtained information, the user interface description including a reference associated with the device information of each of said devices currently connected to the network, such that the reference includes at least one electronic link providing direct access from the user interface description to said information contained in said devices currently connected to the network.

21. (Currently amended) The network system of claim 20, wherein each agent generates a user interface description such that the [reference] link in the user interface description comprises a pointer from the user interface description [provides access] to at least the information in [each] a corresponding device.

22. (Original) The network system of claim 20, wherein each agent generates a user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device.

23. (Currently amended) The network system of claim 20, wherein each agent further

associates a hyper-text link in a user interface description with the device information [[of]] in each of said devices currently connected to the network, such that each hyper link provides access from the user interface description to the device information in a corresponding device.

24. (Currently amended) The network system of claim 20, wherein said information in each device comprises an HTML page [contained in] for user interaction with and/or control of that device.

25. (Currently amended) The network system of claim 20, wherein the device information in each device includes device identification information for that device.

26. (Currently amended) The network system of claim 20, wherein the device information in each device includes a user control interface description for user interaction with [the] that device.

27. (Currently amended) The network system of claim 26, wherein each agent generates the user interface description such that each [reference] link in the user interface description [is] provides direct access to at least the user control interface description in each corresponding device.

28. (Currently amended) The network system of claim 26, wherein each agent generates the user interface description such that the user interface description further includes device data corresponding to each device based on the information obtained from each device, the device data providing [reference] a link to the user control interface description in each device, such that when the link is user activated it provides access to control interface description in the corresponding device.